

ABSTRAK

HAFIZAH GHANY HAYUDINNA. Pengembangan LKPD IPA Tema Pencemaran Lingkungan untuk Meningkatkan Keterampilan Proses Sains dan Sikap Peduli Lingkungan Peserta Didik SMP. **Tesis. Yogyakarta: Program Pascasarjana, Universitas Negeri Yogyakarta, 2015.**

Tujuan penelitian ini adalah untuk mengetahui: (1) kelayakan LKPD IPA tema pencemaran lingkungan untuk pembelajaran IPA di SMP, dan (2) keefektifan LKPD IPA tema pencemaran lingkungan untuk meningkatkan keterampilan proses sains dan sikap peduli lingkungan peserta didik

Penelitian ini merupakan penelitian pengembangan yang menggunakan adaptasi model Borg & Gall. Prosedur penelitian meliputi: (1) pendahuluan, (2) perencanaan, (3) pengembangan produk awal, (4) validasi produk, (5) revisi produk, (6) uji coba terbatas, dan (7) uji coba lebih luas. Subjek uji coba dalam penelitian ini adalah peserta didik kelas VII SMP Islam Pekalongan yang terbagi dalam kelas eksperimen dan kelas kontrol. Instrumen pengumpulan data yang digunakan adalah instrumen validasi kualitas LKPD, lembar observasi keterampilan proses sains, lembar observasi sikap peduli lingkungan, angket sikap peduli lingkungan dan lembar soal. Analisis data menggunakan uji statistik multivariat dengan taraf signifikansi 5% untuk menganalisis perbedaan rata-rata logit skor keterampilan proses sains dan sikap peduli lingkungan peserta didik antara kelas eksperimen dan kontrol.

Hasil penelitian ini adalah sebagai berikut (1) LKPD IPA tema pencemaran lingkungan layak digunakan dalam pembelajaran IPA SMP dengan kriteria sangat baik untuk aspek didaktik, konstruksi dan teknis, dan (2) penggunaan LKPD dalam pembelajaran IPA dapat meningkatkan keterampilan proses sains dan sikap peduli lingkungan peserta didik secara signifikan.

Kata kunci: *pengembangan LKPD, keterampilan proses sains, sikap peduli lingkungan*

ABSTRACT

HAFIZAH GHANY HAYUDINNA. *Developing Science Student's Worksheet in Environmental Pollution's Topic to Improve Junior High School Student's Science Process Skills and Their Environmental Awareness Attitude.* **Thesis.** Yogyakarta: Graduate School, Yogyakarta State University, 2015.

The aims of this study were to know: (1) the feasibility of science student's worksheet in environmental pollution's topic to use in the science learning in junior high school, and (2) the effectiveness of science student's worksheet in environmental pollution's topic to improve student's science process skills and their environmental awareness attitude.

This study was a research and development which was adapted from Borg & Gall model. The research procedure consisted of: (1) preliminary study, (2) planning, (3) preliminary product arrangement, (4) product validation, (5) product revision, (6) small group tryout, and (7) field tryout. The subjects on this research were grade VII students of SMP Islam Pekalongan consisting of two classes: the experimental classes and control classes. The instruments to collect data were the worksheet's validity sheets, science process skills observation sheets, environmental awareness attitude observation sheets, environmental awareness attitude questionnaire, and tests. The multivariate test with the significance level of 5% was used to analyze the difference of logit average of both student's science process skills and environmental awareness attitude between the experimental and control classes.

The results of this study are (1) science student's worksheet is suitable to use in the science learning in junior high school based on very good result at didactic, construction and technical aspects, and (2) science student's worksheet which were developed is effective to improve both student's science process skills and environmental awareness attitude significantly.

Key words: *worksheet's development, science process skills, environmental attitude*